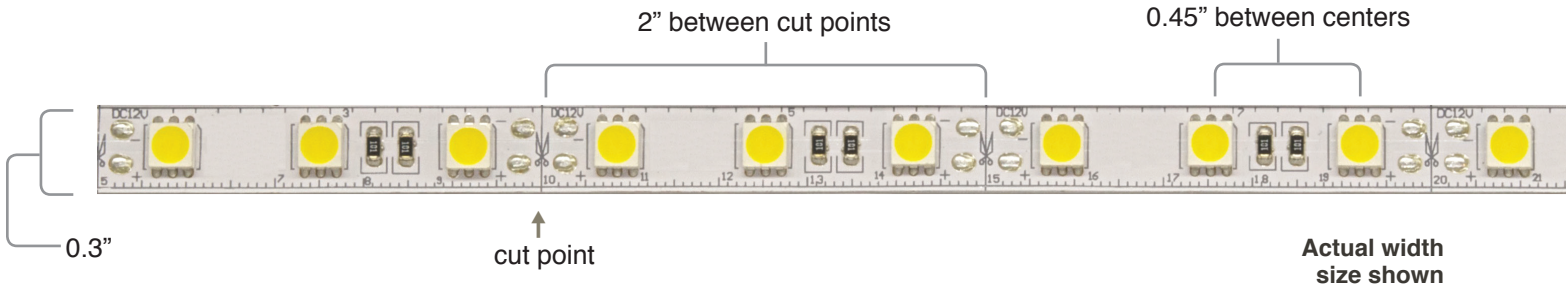
ULTRA BLAZE HIGH OUTPUT LED STRIP LIGHT 12V

ULTRA BLAZE High Output Strip Light is a super bright LED strip that is 50% brighter than BLAZE High Output Strip Light and three times as bright as FLUID VIEW Strip Light. The ULTRA BLAZE High Output Strip Light is packed with high power 5050 tri-chip surface mount diode (SMD) LEDs that combine to make a brighter, more value-driven, and warmer light than any fluorescent or incandescent fixture.

This flat LED strip emits light in a 120° light beam angle. The BLAZE High Output Strip is packed with high power surface mount diode (SMD) LEDs that combine to make a brighter, cheaper, and warmer light than almost any fluorescent or incandescent fixture. There is no scalloping, just a completely even line of light.



FEATURES

Input Voltage: 12V DC
Power Consumption per foot: 4.4W / 363mA
Rated Fixture Lumens per foot: 360
Luminous Efficacy: 30 lm/W
LED Chip Type: 5050 SMD
Chips per foot: 18
Field Cuttable: every 2 inches
LED Spacing: 0.65 in. (between centers)
Width: 0.4 in.
Height: 0.1 in.
Spool Length: 16.3 ft. / 100 ft.
Max. Run: 16.3 ft.
** Each maximum run requires a dedicated line from the power supply to avoid voltage drop.*

Certifications: UL Listed, RoHS
Dimmable: yes
Environment: Indoor
Warranty: 5 years (*limited)*
Operating Temp.: -22° - 103° F
Mounting: 3M Adhesive Sticky Backing
Rated Lamp Life: 50,000 hours
Connectors: 16.3 ft. Spool =12 in. DC plug on one end, 3 ft. 18/2 lead wires on the other end.
100 ft, spool = 3 ft. lead wires at both ends.

c UL us CE DO NOT CONNECT TO 120V RoHS Compliant

TECHNICAL SPECIFICATIONS

item #	length	color	color temp.	lumens / ft.	beam angle	voltage	power consumption / ft.	CRI	LEDs / ft.
DI-0094	16.3’	warm white	2700k	360	120°	12V DC	4.4W / 363mA	75	18
DI-0018	100’	warm white	2700k	360	120°	12V DC	4.4W / 363mA	75	18
DI-0095	16.3’	cool white	5000k	360	120°	12V DC	4.4W / 363mA	80	18
DI-0019	100’	cool white	5000k	360	120°	12V DC	4.4W / 363mA	80	18

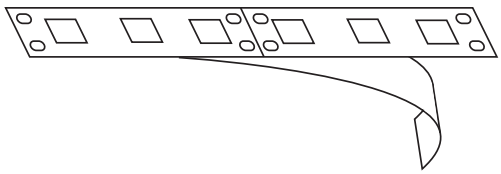
APPLICATIONS

- Shop windows, window displays, and display case lights
- Light boxes, interior sign and signage light
- Display case lighting
- Exhibit, presentation, and project lighting
- Cabinet and shelf lighting
- Task lighting
- Indirect home lighting

IN USE PHOTOS

MOUNTING

Install the ULTRA BLAZE High Output Strip Light on a clean, dry surface by peeling the protective layer from the 3M™ adhesive backing and attaching the strip from one end, keeping it taut to prevent bumps and to ensure a straight installation.

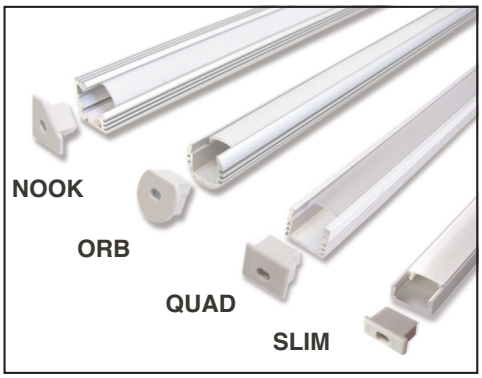


Aluminum Channels (Sold Separately)

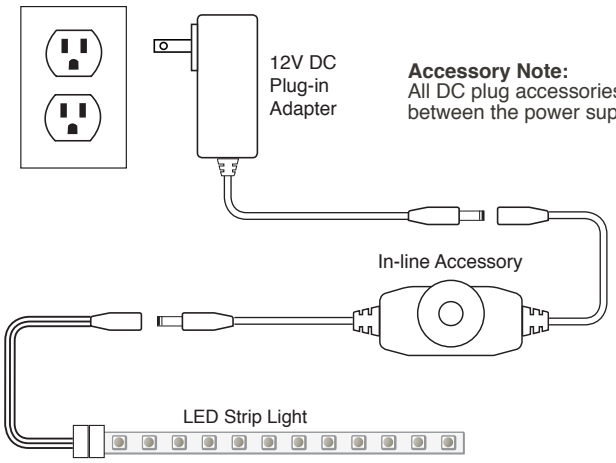
Strip Light Channels protect and provide light diffusion for ULTRA BLAZE LED Strip Light.

NOOK (45°) (item #DI-1052), 39.4” x 0.7” x 0.7”
ORB (round) (item #DI-1051), 39.4” x 0.7” x 0.6”
QUAD (square) (item #DI-1050), 39.4” x 0.6” x 0.5”
SLIM (low profile) (item #DI-1053), 39.4” x 0.6” x 0.24”

Strip Light Channel Cover 39.4” x 0.4”
Frosted (item #DI-1060), Clear (item #DI-1061)

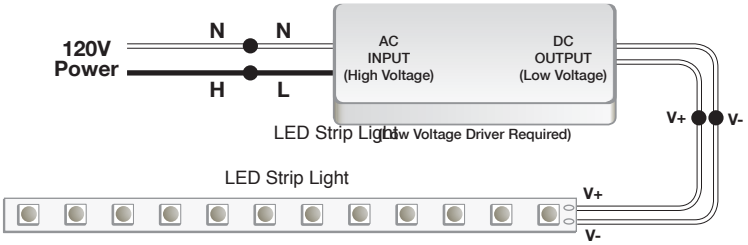


PLUG-IN ADAPTER WIRING DIAGRAM

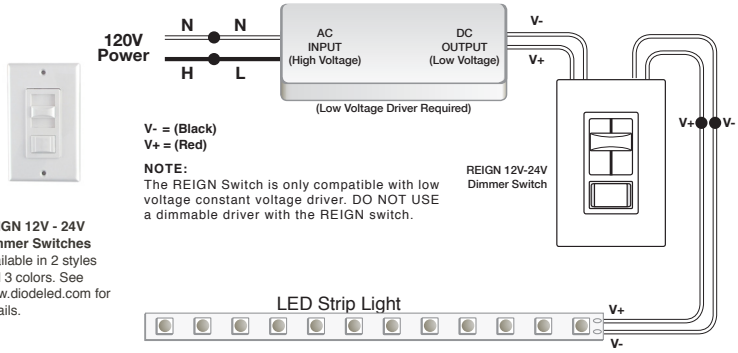


Accessory Note:
All DC plug accessories are to be connected between the power supply and the light fixture.

HARDWIRE WIRING DIAGRAM



DIMMING WIRING DIAGRAM– REIGN 12V-24V DIMMER SWITCH

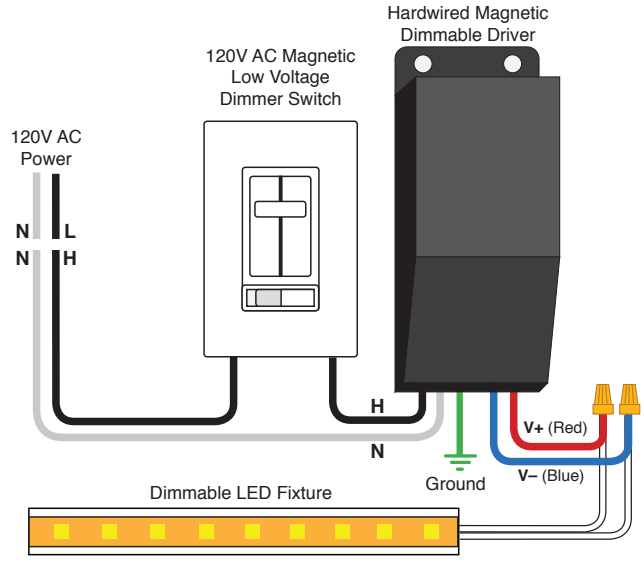


REIGN 12V - 24V Dimmer Switches
Available in 2 styles and 3 colors. See www.diodeled.com for details.

120V MAGNETIC LOW VOLTAGE DIMMER SWITCH WIRING DIAGRAM

Standard Dimmable Driver Configuration*

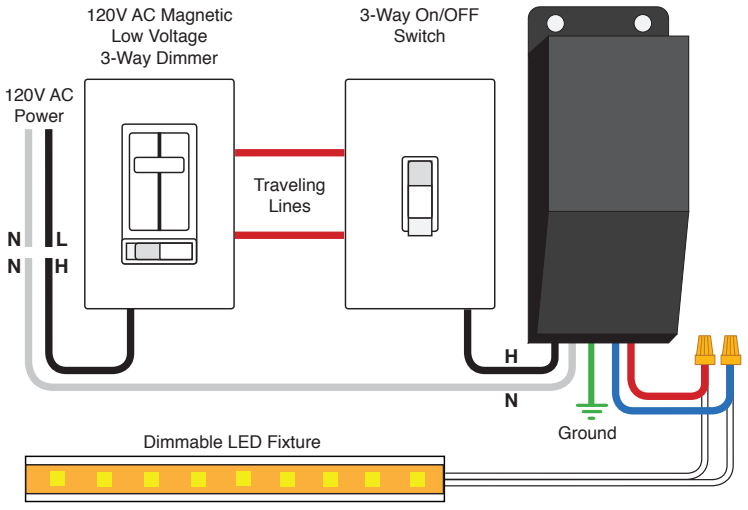
*Only use recommended 120V MLV dimmer switches. See the compatibility list for a detailed list of compatible dimmers.



N= Neutral / L= Line / H=Hot

3-Way Dimmable Driver Configuration*

*Only use recommended 3-Way dimmer switches for 3-Way dimming applications. See the compatibility list for a detailed list of compatible dimmers.



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WARNINGS ⚠

1. **Always** consult a qualified, licensed electrician prior to the installation of this product. Diode LED recommends that a qualified, licensed electrician perform the installation of this product.
2. **Always** pre-test your strip light assembly by making all connections and connecting the strip to a power supply and ensure that all components are joined properly before they are installed.
3. It is recommended that adequate airflow and heatsink be taken into account in the application and installation of this product. Improper thermal management may lead to premature failure.
4. Exceeding the operating temperature values may damage LED chips by reducing the total lamp life and lumen output, and inversely impact color consistency.
5. Each maximum run requires a dedicated line from the power supply to avoid voltage drop.
6. This product should only be cut at “cut points,” which are designated with a scissor icon.
7. “Voltage drop” is a gradual lessening of power through a wire over a long distance. The farther the light is from the power source, the more voltage drop will occur. Voltage drop becomes a significant factor in any LED light application when the distance between the lights and the power source is greater than 30 feet. Consult a licensed electrician and an online voltage drop calculator to learn what gauge wire will work best for your configuration. For more tips, visit the Tools & Resources section on www.DiodeLED.com.
8. The manufacturer rates each power supply for maximum power output at optimum thermal and voltage conditions. As with any power supply, true actual maximum continuous current output depends upon various environmental factors such as ambient temperature, line voltage fluctuations, and orientation that may affect heat dissipation. For optimum performance, make sure the load is between 50% and 80% of the total capacity of the power supply
9. Actual color may vary from what is pictured on this sheet and other Diode LED print materials due to the limitations of photographic processes.
10. LED products are continuously being improved upon in ever-shortening manufacturing cycles. LED color temperature (kelvin), lumen output, and product appearance can change from order to order. Please note that variation in color temperature (kelvin) is commonly +/- 250k and brightness (lumens) is +/- 10%.
11. Diode LED reserves the right to modify the design of our products as part of the company’s program of continuous improvement. Diode LED cannot guarantee to match existing installed product for subsequent orders or replace the product exactly to match the product you are replacing in product appearance, color, or brightness. Specifications are subject to change without notice.

WARRANTY

Limited Warranty: This product has a five (5) year limited warranty from the date of shipment. The complete warranty details are posted on the website at www.diodeled.com under the tools and resources tab. Specific warranty periods can also be found on the individual published Product Specification Sheets.

If you have any warranty related questions please contact Diode customer service at info@doideled.com or call (877) 817-6028.